

850	<b>UNDERWATER</b>	855.5	..Digital signal processing in subsurface transmitter
851	.Ship guidance system	855.6	...Having acoustic sensor
852	.Electrodes and electrode systems	855.7	.Modification of signal bandwidth, frequency, or circuit impedance at subsurface location
853.1	<b>WELLBORE TELEMETERING OR CONTROL (E.G., SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.)</b>	855.8	.Including specified power transmission feature or source (e.g., battery, etc.)
853.2	.Diagnostic monitoring or detecting operation of communications equipment or signal	855.9	..Specified alternating current (A.C.) circuit feature
853.3	.Selective control of subsurface equipment	856.1	.In horizontal or inclined passage arrangement
853.4	..In horizontal or inclined drilling or passage	856.2	.With expandable or inflatable sensor element or mounting
853.5	...Control of drilling apparatus using magnetic field	856.3	.Including particular sensor
853.6	..Control of drill bit or apparatus (e.g., steering, speed, etc.)	856.4	..Acoustic or vibratory (e.g., sonic, fluidic, etc.)
853.7	.Repeater in subsurface link (e.g., cable, etc.)	870.01	<b>CONTINUOUSLY VARIABLE INDICATING (E.G., TELEMETERING)</b>
853.8	.With orientation sensing of subsurface telemetering equipment (other than drilling equipment)	870.02	.With meter reading
853.9	.Including detail of subsurface signal storage (e.g., memory, recorder, register, etc.)	870.03	..Having plural transmitters
854.1	.With position or depth recording (e.g., line payout, equipment locator, etc.)	870.04	.With calibration
854.2	..Location of collar or stuck tool	870.05	.With calculation
854.3	.Using a specific transmission medium (e.g., conductive fluid, annular spacing, etc.)	870.06	..Plural transmitters (e.g., ratio)
854.4	..Drill string or tubing support signal conduction	870.07	.Combined (TM system with other system)
854.5	..Wellbore casing or ground	870.08	..Radio dial
854.6	..Electromagnetic energy (e.g., radio frequency, etc.)	870.09	..With alarm or annunciator (concurrent with TM)
854.7	...Optical link (e.g., waveguide, etc.)	870.1	.For radio sonde
854.8	...Near field coupling (e.g., inductive, capacitive, etc.)	870.11	.Plural transmitters
854.9	..Cable or wire (e.g., conductor as support, etc.)	870.12	..Frequency division multiplex
855.1	...Coupling connection structural feature	870.13	..Time division multiplex
855.2	...Single conductor cable or wire	870.14	...Using particular sync
855.3	.Multiplexed signals	870.15	..With plural receiver
855.4	.Pulse or digital signal transmission	870.16	.Condition responsive
		870.17	..Temperature
		870.18	.Using a particular modulation (e.g., phase, frequency, or amplitude)
		870.19	..Pulse
		870.2	...Pulse repetition
		870.21	...Analog to digital function converter
		870.22	...Permutation code
		870.23	...Increase pulses plus decrease pulses
		870.24	...Pulse duration (e.g., pulse train)
		870.25	.Phase variation

870.26	.Frequency variation	912	..Standby cycling implemented if invalid transmission received or loss of transmission occurs
870.27	.Plural circuits, each for particular magnitude		
870.28	.Via radiant energy beam (via particular energy)	913	..Offset control
870.29	..Photoelectric cell pickup	914	..Split control
870.3	.With particular transmitter (e.g., piezoelectric, dynamo)	915	..Central station includes display of status of indicators
870.31	..Inductive transmitter	916	.Intersection normally under local controller
870.32	...Mutual inductance		
870.33	....Flux valve type (e.g., with movable saturating magnet)	917	..Controller responsive to traffic detectors
870.34	....Self-synchronous type	918	...Controller, when changing right of way, alters or skips normal "go" cycle of street having no traffic detected
870.35	....Differential type		
870.36	.....Linear variable differential transformer (LVDT)		
870.37	..Capacitive transmitter	919	...Plural cross highways at intersection each have traffic detectors
870.38	..Resistive transmitter		
870.39	.With supply voltage regulation or compensation	920	....Density determines split
870.4	.With particular receiver (e.g., ratiometer)	921	.....Extension of time
870.41	..Plural receivers	922	...Density determines split
870.42	..With feedback (e.g., reflex along line)	923	...Extension of time
870.43	...Follow-up (e.g., circuit rebalanced when upset)	924	..Local controller can be superceded by central station controller
870.44	..With discharge device (e.g., CRT)	925	..Pedestrian control
901	<b>EXTERNAL CONDITION VEHICLE- MOUNTED INDICATOR OR ALARM</b>	926	..Manual setting of cycle length and split times
902	.Transmitter in another vehicle (e.g., emergency vehicle)	927	..Rotating cam structure (specific structure required)
903	..Relative distance between vehicles (e.g., collision alert)	928	.Combined (e.g., toll systems, one-way)
904	.Transmitter in one vehicle only	929	.Indication of time remaining before change of phase
905	.Highway information (e.g., weather, speed limits, etc.)	930	..Electromechanical movable auxiliary indicator
906	<b>OVERRIDE OF TRAFFIC CONTROL INDICATOR BY COMMAND TRANSMITTER</b>	931	.Traffic control or local controller failure indicator
907	<b>TRAFFIC CONTROL INDICATOR</b>	932	.Pacing (e.g., vehicle keeps pace with sequentially activated lights)
908	.Portable	932.1	.Pivoted
908.1	..Barricade marker	932.2	<b>VEHICLE PARKING INDICATORS</b>
909	.Plural intersections under common central station control	933	<b>VEHICLE DETECTORS</b>
910	..Central station responsive to traffic detectors	934	.Density
911	...Central station controls offset (time between beginning of same phase at adjacent intersections)	935	.Discriminates vehicle direction
		936	.Speed and overspeed
		937	.With camera
		938	.Compensation for vehicle remaining at sensor position
		939	.Environmental or drift compensation
		940	.With pneumatic

941	.Inductive	980	..Indicator visible in pilot's line of sight through windscreen
942	.Photoelectric	981	.Aircraft beacons
943	.Sonic or ultrasonic	982	..Lights communicate (e.g., direction, altitude, reference position to observer)
944	<b>PEDESTRIAN GUIDANCE</b>	983	.Obstruction beacon
945	<b>AIRCRAFT ALARM OR INDICATING SYSTEMS</b>	984	<b>WATERCRAFT ALARM OR INDICATING SYSTEMS</b>
946	.Nonairplane (e.g., balloon or helicopter)	985	.Navigation guides (e.g., channel lights)
947	.Land-based landing guidance	986	.Anchor movement
948	..Aircraft actuation of land-based landing guides	987	.Rudder position indicator
949	..Wind direction	988	<b>VEHICLE POSITION INDICATION</b>
950	..Movable (e.g., rotatable) guides	989	.At remote location
951	..Phased landing guidance (e.g., runway approach, landing, touchdown)	990	..With map display
952	..Particular energy guide source (e.g., sound, electric field, radio)	991	..Position indication transmitted by vehicle after receipt of information from local station
953	...Visual source	992	..Position indication transmitted at periodic intervals (e.g., distance travelled)
954	....Alignment of plural sources	993	..Position indication transmitted by local station to remote location
955	....Plural colors	994	..Vehicle's arrival or expected arrival at remote location along route indicated at that remote location (e.g., bus arrival systems)
956	....Modulated light source	995.1	.Map display
957	...Magnetic field guide	995.11	..Having plural maps
958	.Docking guidance	995.12	..Transmission of map data to vehicle
959	.Takeoff indicator	995.13	...Traffic information
960	.Landing gear indicator	995.14	..Manipulation of map display or data
961	.Potential collision with other aircraft	995.15	...Having adjustable map (e.g., scalable, etc.)
962	.Icing indicator	995.16	....Input device
963	.Flight alarm	995.17	....Display change based on vehicle position
964	..Phased warnings for same flight condition	995.18	...Particular data storage
965	..Tactile	995.19	..Route determination and display on map
966	..Stall	995.2	...Intersection turn guidance
967	..Attitude (including yaw, angle of attack, roll, pitch, glide slope)	995.21	....Off course, route re-search
968	..Wind shear	995.22	....Pattern matching
969	..Speed	995.23	....Specifying particular start/destination
970	..Altitude	995.24	..Including landmark information
971	.Nonalarm flight indicator	995.25	..Including vehicle position correction
972	..Runway presentation		
973	..Indicator of at least four flight parameters (altitude, speed, etc.)		
974	..Attitude		
975	...Roll or pitch		
976	...Glide slope or path		
977	..Altitude		
978	..Speed		
979	..Heading (includes deviation from desired course)		

995.26	..Including particular display structure (e.g., detachable, rolling map sheet, etc.)	435	.Of relative distance from an obstacle
995.27	..Including particular display feature (e.g., indication of direction, mileage, road type, etc.)	436	.Of collision or contact with external object
995.28	..Including particular position/direction sensor	437	..Curb
996	.Prerecorded message describes position	438	.Internal alarm or indicator responsive to a condition of the vehicle
425.5	<b>LAND VEHICLE ALARMS OR INDICATORS</b>	439	..Operation efficiency (e.g., engine performance, driver habits)
426.1	.Of burglary or unauthorized use	440	..Tilt, imbalance, or overload
427	..Of motorcycles or bicycles	441	..Speed of vehicle, engine, or power train
428	..Responsive to changes in voltage or current in a vehicle electrical system	442	..Tire deflation or inflation
429	..Responsive to inertia, vibration, or tilt	443	...By indirect detection means (e.g., height measurement)
430	..With entrance/exit time delay	444	....Relative wheel speed
426.11	..Including immobilization	445	...With particular telemetric coupling
426.12	...User activated (e.g., car-jacking, etc.)	446	....Acoustic wave
426.13	..Remote control	447	....Radio wave
426.14	...Programmable	448	....Inductive
426.15	...Status indication	449	..Temperature
426.16	...Transmitter and receiver in vehicle	450	..Fluid level
426.17	...Transmitter on user	450.1	...Of hydraulic brake fluid
426.18	..Remote alarm	450.2	...Of fuel
426.19	...Using GPS (i.e., location)	450.3	...Of lubricant (e.g., engine oil)
426.2	...Cellular	451	..Fluid pressure
426.21	...Paging	452	...Of brake fluid
426.22	..Local indication	453	..Brake or clutch condition
426.23	...Exterior of vehicle	454	...Wear
426.24	..Including specified sensor	455	..Battery charging system condition
426.25	...Plural diverse sensors	456	..Gear position
426.26	...Detecting intruder energy (e.g., infrared, etc.)	457	..Reminder
426.27	...Window (i.e., glass)	457.1	...Of seat belt application
426.28	...Door or lock	457.2	...Of headlight energization
426.29	...Trunk or hood	457.3	...Of parking brake application
426.3	...Ignition switch	457.4	...Of service interval expiration
426.31	...Steering wheel	458	..Lamp or lamp circuit condition
426.32	...Brake	459	..Plural conditions
426.33	...Wheel/tire	460	...With voice warning
426.34	...Accessory (e.g., speaker, radio face plate, etc.)	461	...With particular display means
426.35	..Including programmable key	462	....Digital
426.36	..Including keyless entry	463	.External alarm or indicator of movement
431	.For trailer	464	..Plural indications (e.g., go, slow, stop)
432	.For bicycle	465	..Turning or steering
433	.For school bus	466	..Speed
434	.For taxi	467	..Acceleration or deceleration
		468	.External signal light system

469	..With two or more intensity levels (e.g., day or night)	517	..Selection from a plurality of sensed conditions
470	..Pass - no pass	518	...Scanning
471	..Hazard warning or distress signalling	519	...Worst condition
472	...Auxiliary signal permanently attached to vehicle	520	...First sensed exclusively indicated
473	...Portable signal	521	...Plural diverse conditions
474	..With audible signal	522	....Combined for response
475	..Turn signal	523	...Particular sequence of conditions
476	...With automatic cancelling	524	...Condition position indicator
477	....By predetermined time interval or distance	525	....Display board
478	...With plural bulbs sequentially flashed	526	..Predetermined rate of occurrence
479	..Brake light	527	..Time delay
480	..Electromagnetically actuated mechanical signal	528	...Entrance/exit
481	..Wigwag type	529	...Condition persistence
482	..Normally encased	530	....Capacitor
483	...Plural concurrent indicators	531	..With particular coupling link
484	...Sliding sign or shutter	532	..Having particular safety function
485	...Window exhibited sign or shutter	533	..Wired
486	....Drum	534	...Coded message
487	..Pivoting	535	....Mechanical code means (e.g., coded disc)
488	...Multiple indicators	536	...Noninterfering
489	...Three or more positions	537	...With impedance level coding
490	....Vertical axis	538	...Combined with power line
146.2	<b>DIGITAL COMPARATOR SYSTEMS</b>	539.1	..Radio
500	<b>CONDITION RESPONSIVE INDICATING SYSTEM</b>	539.11	...Including personal portable device
501	..With particular system function (e.g., temperature compensation, calibration)	539.12	....Medical
502	..Acknowledgement	539.13	....Tracking location (e.g., GPS, etc.)
503	...With ringback	539.14	...Including remote residential device
504	..Answer-back	539.15	....Parent/child device
505	..Interrogator-responder	539.16	...Including central station detail
506	..Alarm system supervision	539.17	....And remote station detail
507	...Fail-safe	539.18	....Dispatching
508	...Redundant (e.g., added circuit or loop)	539.19	....Programmable
509	...Plural or diverse current sources	539.2	....Map
510	...Bridge or potential divider	539.21	....Signal strength
511	...Threshold or window (e.g., of analog electrical level)	539.22	...Having plural distinct sensors (i.e., for surrounding conditions)
512	...Pulse	539.23	....Proximity
513	...Diode	539.24	....Diagnostic
514	..Testing	539.25	....Including video
515	...Simulation of condition	539.26	...Specific environmental sensor
516	...Automatic (e.g., periodic, start-up)	539.27	....Heat
		539.28	....Weather
		539.29	....Dosimeter

539.3	...Including power saving	568.2	...Signal-carrying conduit between sensor and article (e.g., cable, power cord, or data link)
539.31	...Including tamper resistant device	568.3	....Power cord
539.32	...Including location of misplaced item	568.4	....Specified connector (e.g., phone jack-type plug)
540	..Specific condition	568.5	...Shopping cart or item thereon
541	..Intrusion detection	568.6	...Sporting equipment (e.g., golfbag, club, cart, or skis)
542	...Lock	568.7	...Currency, credit card, or container therefor (e.g., wallet or handbag)
543	....Permutation	568.8	...Article on pedestal, in display case, or mounted on wall (e.g., work of art)
544	...Disturbance of fluid pressure	569	...Mailbox
545.1	...Door or window movement	570	...Drawer
546	....Portable	571	...Alarm on protected article
545.2	....Specified sensor	572.1	...Detectable device on protected article (e.g., "tag")
547	.....Magnetic sensor	572.2	....Specified relationship between field and detection frequencies (e.g., nth order harmonics)
548	.....Plug or cord tension sensor	572.3	....Deactivatable by means other than mere removal
549	.....Rotatable sensor	572.4	....Specified processing arrangement for detected signal
545.3	.....Sensing of electromagnetic energy (e.g., light, infrared, or microwave)	572.5	....Having tuned resonant circuit
545.4	.....Sensing of electrical parameter (e.g., piezoelectricity or capacitance)	572.6	....Having "soft" magnetic element (e.g., Permalloy)
545.5	.....Inertia-type sensor (e.g., mercury or pendulum switch)	572.7	....Specified antenna structure
545.6	....Door, cover, or lid for self-contained article (e.g., refrigerator, mailbox, drawer, cabinet, or box)	572.8	....Specified device housing or attachment means
545.7	....Specified door or window portion (e.g., doorknob)	572.9	.....Having means locking device to article
545.8	....Specified door or window attachment (e.g., shade or blind)	573.1	..Human or animal
545.9	....Plural doors or windows	574	...Holdup
550	...Partition penetration	575	...Sleep
551	...Disturbance of magnetic field	576	...Drive capability
552	...Disturbance of electromagnetic waves	573.2	...Nondomestic animal (e.g., for hunting, fishing, or repelling)
553	....Standing waves	573.3	...Domestic animal training, monitoring, or controlling
554	....Doppler effect	573.4	...House arrest system, wandering, or wrong place
555	....Light	573.5	...Incontinence or enuresis alarm
556	.....Beam	573.6	...Water safety alarm
557	.....Laser	573.7	...Posture alarm
561	...Disturbance of electric field	577	..Flame
562	....Capacitance	578	...By radiant energy
563	.....With bridge	579	...By ionization or conductivity
564	.....Fence		
565	...Responsive to intruder energy		
566	....Vibration		
567	....Electromagnetic energy		
568.1	..Article placement or removal (e.g., anti-theft)		

580	..Ice formation	627	...Particle suspension in fluid
581	...Thermal	628	....Smoke
582	...Vibratory	629	.....Ionization
583	...Photoelectric	630	.....Photoelectric
584	..Thermal	631	....Lubricant
585	...Refrigerated storage	632	...Gas
586	...Portable	633	....Catalytic detector
587	...False alarm resistant	634	....Semiconductor detector
588	...Time-temperature relationship (e.g., overtemperature exceeds predetermined interval or time-temperature integral)	635	..Condition of electrical apparatus
589	....Rate of temperature change	636.1	...Battery
590	...Fusible, frangible, or destructible sensor	636.11	....By change or rate of change of impedance or admittance
591	....Containing pressurized fluid	636.12	....By current and voltage
592	...Expanding fluid sensor	636.13	....By current
593	...Switch sensor	636.14	.....Thermochromic indication
594	....With bimetallic element	636.15	....By voltage
595	...Current modifier or generator	636.16	....Having load detail
596	....Cable or elongated probe	636.17	....Having overcharge detection or protection
597	...Curie point sensor	636.18	.....Including temperature detection
598	....Barrier-layer sensor	636.19	....Battery deterioration detection
599	....Bridge circuit	636.2	....Including charging circuit
600	..Radiant energy	636.21	....Wet cell type
601	..Meteorological condition	637	...Watt-hour meter
602	...Moisture or humidity (e.g., rain)	638	...Fuse or circuit breaker
603	..Fluent material	639	....Plural
604	...Wetness	640	...Heater element
605	...Leakage	641	...Signalling light element
606	...Flow rate	642	....Plural bulbs or filaments
607	....Filter clogging	643	....Thermal or magnetic current sensors
608	....Stoppage	644	...Switch or relay
609	....Counting	645	...Rectifier
610	....Vane in flow path	646	...Transformer
611	....Pressure	647	...Insulation
612	...Material level	648	...Motor
613	....Weight in container	649	...Condition of intentional grounding circuit
614	....Pressure	650	...Undesired circuit ground or short
615	....Moving sensor (e.g., impeller)	651	....For plural circuit conductors
616	....Overflow	652	...Breaking of circuit continuity
617	....Pulverant material (e.g., bin)	653	...Electronic circuit or component
618	....Liquid	654	...Circuit energization
619	.....Optical sensor	655	....Heating circuit
620	.....Electrode probe	656	....Electrical socket
621	.....Having sonic sensor	657	..Electrical characteristic
622	.....Having heat sensor	658	...Phase or frequency
623	.....Float sensor	659	...Pulse or surge
624	.....Vertically reciprocable	660	...Voltage
625	.....Pivoted arm		
626	...Pressure		

661	....Comparison	693.6	..Configured to promote sensing capability (e.g., smoke detector)
662	....Overvoltage	693.7	...Inserted battery required for housing closure
663	....Undervoltage	693.8	..Simulation
664	...Current	693.9	..Having specified mounting structure
665	..Force or stress	693.11	...To wall or ceiling
666	...Weight	693.12	...Within another housing
667	....On seat	825	<b>SELECTIVE</b>
668	...Tension	825.01	.Spare channel
669	..Acceleration	825.02	.Tree or cascade
670	..Velocity	2.1	.Path selection
671	...Angular	2.2	..Channel selecting matrix
672	....Direction of shaft rotation	2.21	...Plural stages
673	..Article transport	2.22	....Clos type
674	...Discrete articles	2.23	....Alternate routing
675	...Web, film, or strip	2.24	....Having master control element
676	....Conveyor belt	2.25	...Folded
677	...Strand	2.26	...Having master control element
678	..Of geometrical gauge	2.27	...Plural matrices
679	..Machine condition	2.28	...Crosspoint switch detail (i.e., specific crosspoint)
680	...Machine tool	2.29	....Semiconductor
681	...Synchronization	2.31	....Gas discharge
682	...Bearing	2.4	..Code or pulse responsive
683	...Vibration	2.5	..Wiper
684	...Agricultural	2.6	..Plural stages
685	...Cranes	2.7	..Condition of data channel
686.1	..Position responsive	2.71	...Hunting
687	...Connected or disconnected	2.8	..Data channel selector line
688	...Meter dial	3.1	.Monitoring in addition to control (e.g., supervisory)
689	...Tilt	3.2	..Synchronization
690	...Geophysical (e.g., fault slip)	3.21	...Time slot or packet
686.2	...Alignment or misalignment	3.22	...Electromechanical (e.g., relay, rotary distributor)
686.3	...Shaft or rotary element	3.23	....Relay chain
686.4	...One article inserted into another	3.24	....Step-by-step
686.5	...Workpiece	3.3	..Including storage or recording
686.6	...Proximity or distance	3.31	...Storage at controlled device or sensor
691.1	.Specified indicator structure	3.32	...Storage at controller
691.2	.Simulated effect	3.4	..Quiescent
691.3	.Degree or urgency	3.41	...Collision avoidance
691.4	.Plural	3.42	..Control to avoid fault
691.5	...Diverse	3.43	..Fault condition detection
691.6	..Information display	3.44	...Control to correct fault
692	..Sound reproducer	3.5	..Including addressing
691.7	..Mechanical	3.51	...Polling or roll call
691.8	..Control circuit detail	3.52	...Group address
693.1	.Specified power supply	3.53	...Source address
693.2	..Substitute or emergency source (e.g., back-up battery)	3.54	...Destination address
693.3	..Having reduced power consumption (e.g., intermittent power)		
693.4	..Having specified voltage regulator		
693.5	.Specified housing		



- 3.55 ....Pulse counting
- 3.6 ..Scanning
- 3.61 ...Continuous
- 3.62 ...Interrupted
- 3.63 ....Automatic
- 3.7 ..Including indicator
- 3.71 ...Having manual control input
- 3.8 ..Electromechanical relay
- 3.9 ..Control then monitoring
- 825.19 .Communication or control for the handicapped
- 825.2 ..Synchronizing
- 825.21 ..With addressing
- 825.22 ..Program control
- 825.23 ..Machine tool
- 825.24 ..Of audio system
- 825.25 .Audio system (e.g., by pulse signal)
- 825.26 .Stock quotation
- 825.27 ..With information storage
- 825.28 .Space allocation (e.g., vehicle seat, hotel reservation)
- 825.29 ..Remote terminal
- 5.1 ..Intelligence comparison for controlling
- 5.2 ..Authorization control (e.g., entry into an area)
- 5.21 ...Varying authorization
- 5.22 ....Code programming
- 5.23 .....Programming from coded record to controller
- 5.24 .....Using additional record or carrier code
- 5.25 .....Programming of coded record
- 5.26 ....Code rotating or scrambling
- 5.27 ....Rule based input
- 5.28 ...Timed access blocking
- 5.3 ...Having indication of improper access
- 5.31 ....Lockout or disable
- 5.32 ....Visual indication
- 5.33 ....Including link to remote indicator
- 5.4 ...Credit
- 5.41 ....Banking or finance
- 5.42 ....Debiting (e.g., rental)
- 5.5 ...Input from central location for plural controlled devices
- 5.51 ...Manual code input
- 5.52 ....Biometrics
- 5.53 .....Image (e.g., fingerprint, face)
- 5.54 ....Password
- 5.55 ....Rotary input
- 5.6 ...Coded record input (e.g., IC card or key)
- 5.61 ....Wireless transceiver
- 5.62 .....Including manual switching means
- 5.63 .....Including timing means (e.g., clock)
- 5.64 ....Wireless transmitter
- 5.65 ....Electronic coded record
- 5.66 ....Magnetic coded record
- 5.67 ....Mechanical coded record
- 5.7 ...Access barrier
- 5.71 ....Garage door
- 5.72 ....Vehicle door
- 5.73 ....Lockbox
- 5.74 ...Access to electrical information
- 5.8 ..Authentication (e.g., identity)
- 5.81 ...Personal identification
- 5.82 ....Biometrics
- 5.83 .....Image (Fingerprint, Face)
- 5.84 .....Voice
- 5.85 ....Password
- 5.86 ...Document authentication
- 5.9 ..Commodity (e.g., vending)
- 5.91 ...Including merchandise information display system (e.g., store price display)
- 5.92 ...Item inventorying
- 825.36 .Having indication or alarm (e.g., location indication)
- 825.37 ..Additional to other selective control
- 825.38 ..Party line
- 825.39 ...Selection by means of frequency
- 825.4 ...Selector or indicator, per se
- 825.41 ...Step-by-step impulse
- 825.42 ....Polarity controlled
- 825.43 ...Amplitude or polarity controlled
- 7.1 ..Paging to control diverse device
- 7.2 ..Code responsive (i.e., paging)
- 7.21 ...Two-way paging
- 7.22 ....Acknowledgment of message receipt
- 7.23 .....Including reply to query
- 7.24 ...Transmitting configuration
- 7.25 ....Multiple transmitters
- 7.26 .....Simulcast
- 7.27 .....Zoned
- 7.28 ...Paging terminal (i.e., element prior to the transmitter)

7.29	....Terminal connected to other network (e.g., Internet)	825.53	..Plural part (e.g., digit) or repetitions
7.3	....Queuing	10.1	.Interrogation response
7.31	....Message input	10.2	..Contention avoidance
7.32	...Power control or battery saving	10.3	..Interrogation signal detail
7.33	....Based on received signal	10.31	...Individual call
7.34	.....Frame based timing	10.32	...Group call
7.35	.....Address based	10.33	...Wake up (all call)
7.36	.....Received signal includes power command	10.34	...Power up
7.37	....Control based upon available power	10.4	..Response signal detail
7.38	....Time based	10.41	...Combination response
7.39	...Programming the receiver	10.42	...Identification only
7.4	....Via local device	10.5	..Additional control
7.41	....Over the air	10.51	...Programming (e.g., read/write)
7.42	...Frequency scanning for address	10.52	....ID code
7.43	...Particular message and address format (e.g., POCSAG, FLEX, etc.)	10.6	..Printout or display
7.44	....Having error detection or correction	825.56	..With multidigit encoder
7.45	...Addressing format	825.57	..Pulse responsive actuation
7.46	....Group call	825.58	..Phase or frequency shift keying
7.47	.....Source address	825.59	..Polarity
7.48	.....News information provider (e.g., sports, weather, etc.)	825.6	..Pulse pairs
7.49	....Tone code (i.e., frequency code)	825.61	..Having delay line
7.5	...Distress signal	825.62	..Serial
7.51	...Message presentation	825.63	...Pulse width
7.52	....Storing or retrieving message (e.g., received message database handling)	825.64	...Pulse spacing (e.g., pulse repetition rate)
7.53	....Canned message (audible or visual)	825.65	...Counting
7.54	....Via externally coupled device	825.66	....Relay
7.55	....Display	825.67	....Counting chain
7.56	.....Including graphics	825.68	...Shift register
7.57	....Audible	825.69	...Radio link
7.58	...Alert	825.7	..Phase responsive actuation
7.59	....Priority alert	825.71	..Frequency responsive actuation
7.6	....Vibratory (i.e., tactual) alarm	825.72	..Wireless link
7.61	....Visual	825.73	..Plural frequencies
7.62	....Audible	825.74	...Simultaneous
7.63	...Housing detail	825.75	...Permutation
825.49	..Location indication	825.76	...Corresponding to distinct functions
825.5	..Lockout or priority (programmed or variable)	825.77	..Amplitude responsive actuation
825.51	..Designated priority	825.78	..Divided resistor
825.52	..Addressing	14.1	..Decoder matrix
		14.2	..Plural stage
		14.3	..Programmable
		14.31	...Having fusible element
		14.4	..Logic crosspoint
		14.5	..Bistable crosspoint
		14.6	..Semiconductor crosspoint
		14.61	...Integrated circuit
		14.62	...Transistor
		14.63	....Field effect transistor
		14.64	....Four or more electrode type
		14.65	....Plural transistors in element
		14.66	...Semiconductor diode

14.67	....Charge storage	301	..Portable box actuating key (e.g., key must be released by signal from central)
14.68	....Plural diodes at crosspoint	302	...Frangible guard or protector for key
14.69	...Switching element	303	..Frangible element must be broken to send signal
825.97	..Having electron beam device	304	..False alarm combating (e.g., detention devices)
825.98	..System having rectifier	305	..Local circuit to actuate box
286.01	<b>SYSTEMS</b>	306	...Watchman's local circuit
286.02	..Network signaling	307	..Transmitters
286.03	..Speaking tube including circuit	308	...Controlled by door of signal box
286.04	..Manual alarm telegraph; e.g., other than signal box type	309	...With make and break wheel
286.05	..Fire	309.16	..Timer control
286.06	..Call station	309.2	..With nonelectrical indicator or exhibitor
286.07	..Hospital	309.3	..With diversely controlled indicator
286.08	..Hotel	309.4	..Selectively or sequentially actuated indicators
286.09	..Restaurant	309.5	...With independent manual controller
286.11	..Annunciator	309.6	..Circuit maker-breaker in series
286.12	..Drop annunciator	309.7	..Reminder device with built-in timer
286.13	..Mimic	309.8	..Separate diverse device activated by timer
286.14	..Mapping	309.9	..Separate diverse device deactivated by timer
287	..Signal box type (e.g., to call messenger, plural fire alarm boxes)	310.01	..Signal over power line
288	..Combined (e.g., alarm circuit over power line)	310.02	..Modulation technique
289	...With fire extinguisher (e.g., CO2)	310.03	..Noise reduction (e.g., filtering)
290	...Engine house apparatus controlling (e.g., releases horses, starts motor)	310.04	...Zero crossing
291	..Repeaters (e.g., from central to plural fire houses or to siren)	310.05	..Impedance matching (e.g., Y- match or delta match)
292	..Circuit maintenance (e.g., fault alarm, faulty circuit substitution)	310.06	..Bidirectional (e.g., with transceiver)
293	..Variable signal (e.g., police and fire, first and third alarm)	310.07	..With inductive coupling (e.g., transformer or torroid)
294	...Dial selector for variable signal	310.08	..With coupling plug
295	..Noninterfering (prevents break- in by another box during transmission)	311.2	..Nonselective paging (e.g., public address system)
296	...Key obstruction type	313	..Answer back
297	..With signal at box (e.g., preliminary signal to combat false alarms)	314	..Noncorrespondence alarm (e.g., if acknowledgement is incorrect)
298	...Answer back signal acknowledges transmitted signal	315	..Selsyn type
299	...Simultaneous (e.g., actuated by transmitted signal)	316	..Rebalancing at receiver
300	...Lamp at box (e.g., to call patrolman)	317	..Automatic rebalancing
		318	..Synchronous distributor at transmitter and receiver

319	.Plural electromagnets or plural motors receiver	815.55	.Transparent or translucent indicator with means for blocking light
320	.Via fluid conduit (e.g., fire hose)	815.56	..Color
321	.Portable self-contained (e.g., movie usher's signalling flashlight)	815.57	..Having optical device
322	.Self-cancelling after fixed time	815.58	.Step by step positioner
323 R	.Game reporting	815.59	..Having resetting device
323 B	..Bowling	815.6	..Remote controller
326	.Plural (e.g., concurrent auxiliary) single indications (e.g., light flashes when bell rings)	815.61	..Drum indicator
327	..With sounder signal cut-off	815.62	.Electromagnetic actuator for indicator matrix
328	.Audible signals (e.g., bell rings softly first and then loudly)	815.63	.Binary indicator
329	..Intermittent	815.64	.Electromagnetic rotator for indicator wheel
330	.In and out indicators (e.g., doorbell button flashes "out" sign)	815.65	.Multiple colors
331	.Periodic or flashing	815.66	..By light signal
332	.Signal light systems	815.67	...Plural
333	.With specific power supply (e.g., power substitution)	815.68	...With movable optical means
425.1	<b>REPEATER IN UNSPECIFIED TYPE COMMUNICATIONS LINE OR CHANNEL (E.G., RELAY STATION)</b>	815.69	.Diverse indications
425.2	.Power control	815.7	..Having percussion type indication (e.g., electric bells, chimes)
407.1	<b>TACTUAL INDICATION</b>	815.71	...Electromagnetic
407.2	.With input means (e.g., keyboard)	815.72	..Having pneumatic type indication
815.4	<b>VISUAL INDICATION</b>	815.73	.With lamp enclosed in transparent housing
815.41	.False signal prevention (anti-sunlight)	815.74	..Combined
815.42	.Having light piping	815.75	..Light source modifier
815.43	..With specified colors	815.76	...Lens type
815.44	.Seven-segment indicator	815.77	..Relatively movable light source
815.45	.Using light emitting diodes	815.78	.Pointer indicator
815.46	.Audio responsive lamp	815.79	..Annunciator
815.47	.Switchboard or panel type (e.g., bullseye)	815.8	...Having electromagnetically releasable latch
815.48	..Pushbutton	815.81	.Grouped drop annunciators
815.49	..Housing	815.82	..Support
815.5	...Including optical means	815.83	.Movable
815.51	...Including spring	815.84	..Semaphore
815.52	..With details of energizing circuit	815.85	..Self restoring type annunciator
815.53	.Lighted alphanumeric or character indicator matrix	815.86	..Rotary
815.54	..Having optical means in viewing path	815.87	...Rotor driven
		815.88	...Vane indicator
		815.89	..Circuit closing type
		815.9	..By electromagnetically releasable latch
		815.91	...Having restoring means
		815.92	...Gravity operated drop annunciator
		384.1	<b>AUDIBLE INDICATION</b>
		384.2	.Ultrasonic pest control
		384.3	.Simulation

384.4 .Electronic siren (e.g., wail tone or yelp tone warning device)

384.5 ..With computer element

384.6 .Piezoelectric

384.7 .Electronic

384.71 ..Timing

384.72 ..Plural generators

384.73 ..With sound transducer details

385.1 .Explosive

387.1 .Weatherproofing

388.1 .Diaphragm (e.g., horn or buzzer)

390.1 ..Rotary actuator

390.2 ...Having spring

388.2 ..Alternating current

388.3 ..With auxiliary flexible membrane

388.4 ..With resonance chamber

388.5 ..Armature support

388.6 ...Having spring

388.7 ..Interrupter

388.8 ...Having spring

391.1 ..Housing or mounting

392.1 .Percussion-type sound producer (e.g., signal chimes or bells)

392.2 ..Rotary actuator

393.1 ..Plural armatures

393.2 ..Battery operated

393.3 ..Pushbutton

393.4 ..Including timer

392.3 ..Volume control

401.1 ..Alternating current

398.1 ..Nonelectrical driving means (e.g., spring or weight)

398.2 ...With electromagnetic control

398.3 ....Including circuit breaker

392.4 ..Tubular sound producer (e.g., signal chimes)

392.5 ..Resonator (e.g., signal chimes)

395.1 ..Suspended (e.g., locomotive bell)

397.1 ..Armature support

397.2 ...Having spring

397.3 ..Interrupter

397.4 ...Having spring

397.5 ..Polarized

396.1 ..Housing or mounting

404.1 .Pneumatic-type sound producer (e.g., whistle or siren)

404.2 ..Rotary actuator

404.3 ..With valve

999 **MISCELLANEOUS**

**FOREIGN ART COLLECTIONS****FOR 000 CLASS-RELATED FOREIGN DOCUMENTS**

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collection listed below. These collections contain ONLY foreign patents or nonpatent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

**VEHICLE POSITION INDICATION (340/988)**

FOR 400 .Map display (340/995)

**LAND VEHICLE ALARM OR INDICATOR (340/425.5)**

FOR 401 .Of burglary or unauthorized use (340/426)

**CONDITION RESPONSIVE INDICATING SYSTEM (340/500)**

.With particular coupling link (340/531)

FOR 402 ..Radio (340/539)

**CONDITION RESPONSIVE INDICATING SYSTEM (340/500)**

.Specific condition (340/540)

..Intrusion detection (340/541)

FOR 100 ...Door or window movement (340/545)

**CONDITION RESPONSIVE INDICATING SYSTEM (340/500)**

.Specific condition (340/540)

FOR 101 ..Article placement or removal (340/568)

FOR 102 ...Detectable device on protected article (340/572)

**CONDITION RESPONSIVE INDICATING SYSTEM (340/500)**

.Specific condition (340/540)

FOR 103 ..Human or animal (340/573)

**CONDITION RESPONSIVE INDICATING SYSTEM (340/500)**

.Specific condition (340/540)

..Condition of electrical apparatus (340/635)

FOR 403 ...Battery (340/636)

FOR 104 ..Position responsive (340/686)

**CONDITION RESPONSIVE INDICATING SYSTEM (340/500)**

- FOR 105 .Specified indicator structure (340/691)  
**CONDITION RESPONSIVE INDICATING SYSTEM (340/500)**
- FOR 106 .Specified power supply or housing (340/693)  
**SELECTIVE (340/825)**
- FOR 203 .Channel selection (340/825.03)  
 FOR 326 ..Plural stage matrix system (e.g., path finding) (340/826)  
 FOR 327 ...Alternate routing (340/827)  
 FOR 204 ..Code or pulse responsive (340/825.04)  
 FOR 107 .Loop (340/825.05)  
 FOR 206 .Monitoring and control (e.g., supervisory) (340/825.06)  
 FOR 207 ..Having addressing (340/825.07)  
 FOR 208 ...Polling or roll call (340/825.08)  
 FOR 209 ..Quiescent (340/825.09)  
 FOR 210 ...Scanning (340/825.1)  
 FOR 211 ...Continuous (340/825.11)  
 FOR 212 ...Interrupted (340/825.12)  
 FOR 213 ....Automatic (340/825.13)  
 FOR 214 ..Synchronization (340/825.14)  
 FOR 215 ..Having storage or recording (340/825.15)  
 FOR 216 ..Fault condition (340/825.16)  
 FOR 217 ..Having indicator (340/825.17)  
 FOR 218 ..Relay (340/825.18)  
 FOR 110 .Intelligence comparison (340/825.3)  
 FOR 111 ..Authorization control (e.g., entry into an area) (340/825.31)  
 FOR 112 ...With alarm or indication of improper access (340/825.32)  
 FOR 113 ...Credit (340/825.33)  
 FOR 114 ..Authentication (e.g., identity) (340/825.34)  
 FOR 115 ..Commodity (e.g., vending) (340/825.35)  
 FOR 311 **SYSTEM WITH RECEIVER SELECTION (455/31.1)**  
 FOR 312 .Control of selectively responsive paging arrangement over telephone line (379/FOR 102)  
 FOR 321 .Receiver scans for address signal (455/32.1)  
 FOR 381 .Coded sequence (455/38.1)  
 FOR 382 ..Having actuation (e.g., turn on/off or alarm indication, etcl.) (455/38.2)
- FOR 383 ...Power control or battery saving (455/38.3)  
 FOR 384 ...Visual indication (455/38.4)  
 FOR 385 ...Tone sequence (455/38.5)  
**SELECTIVE (340/825)**  
 .Having indication or alarm (e.g., location indication) (340/825.36)  
 FOR 244 ..Code responsive (e.g., paging) (340/825.44)  
 FOR 245 ...Distress signal alarm (340/825.45)  
 FOR 246 ...Vibratory (tactual) alarm (340/825.46)  
 FOR 247 ...Group call (340/825.47)  
 FOR 248 ...Tone code (340/825.48)  
 FOR 108 .Interrogation response (340/825.54)  
 FOR 109 ..Printout (e.g., logging) or display (340/825.55)  
 FOR 279 .Matrix (340/825.79)  
 FOR 280 ..Plural stage (340/825.8)  
 FOR 281 ..Electroluminescent elements (340/825.81)  
 FOR 282 ...Light-emitting diode (340/825.82)  
 FOR 283 ..Programmable (340/825.83)  
 FOR 284 ...Having fusible element (340/825.84)  
 FOR 285 ..Semiconductor crosspoint (340/825.85)  
 FOR 286 ...Integrated circuit (340/825.86)  
 FOR 287 ...Logic (340/825.87)  
 FOR 288 ...Bistable (340/825.88)  
 FOR 289 ...Switching element (340/825.89)  
 FOR 290 ...Transistor (340/825.9)  
 FOR 291 ....Field effect transistor (340/825.91)  
 FOR 292 ....Four or more electrodes (340/825.92)  
 FOR 293 ....Plural (340/825.93)  
 FOR 294 ...Diode (340/825.94)  
 FOR 295 ....Charge storage (340/825.95)  
 FOR 296 ....Plural diodes at crosspoint (340/825.96)  
**SYSTEMS (340/286.01)**  
 FOR 404 .Timer controlled (340/309.15)  
 FOR 301 .Paging (340/311.1)